Refine Search

Search Results -

Term	Documents
GELATIN	171791
GELATINS	7457
ALGINATE	45213
ALGINATES	17061
(5 AND ALGINATE AND GELATIN).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11
(L5 AND (GELATIN AND ALGINATE)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
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Search: L8

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Tuesday, January 18, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND			
L8	L5 and (gelatin and alginate)	11	L8
L7	L5 not L6	36	L7
L6	L5 and (crosslinked or crosslinking or calcium or (metal adj cation))	70	L6
L5	(coacervate or coacervation) same (virus or vector or DNA or RNA or (nucleic adj acid))	106	L5

L4	L3 and (virus or vector or plasmid)	5	L4
L3	(coacervate adj microsphere)	6	L3
L2	Garver-Robert.in.	0	L2
L1	Garver-Robert-I$.in.	4	L1

END OF SEARCH HISTORY

```
                          Welcome to DialogClassic Web(tm)
 Dialog level 04.20.00D
Last logoff:  29dec04 17:12:48
Logon file001 18jan05 15:50:33
          *** ANNOUNCEMENT ***
                    ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                    ***
NEW FILES RELEASED
***German Patents Fulltext (File 324)

***Beilstein Abstracts (File 393)
***Beilstein Facts (File 390)
***Beilstein Reactions (File 391)
                    ***
UPDATING RESUMED
Medline (Files 154 & 155)

                    ***
REMOVED
***Info Sci & Tech Abs (File 202)
***Internet & Personal Comp Abs (File 233)
***CanCorp Financials (File 491)
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     >>>    of new databases, price changes, etc.      <<<                    ****
KWIC is set to 50.
HILIGHT set on as ' '
 * * *

File   1:ERIC 1966-2004/Jul 21
       (c) format only 2004 The Dialog Corporation

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?
B 155, 159, 5, 73
       18jan05 15:50:59 User259876 Session D700.1
            $0.81    0.230 DialUnits File1
     $0.81  Estimated cost File1
     $0.11  INTERNET
     $0.92  Estimated cost this search
     $0.92  Estimated total session cost   0.230 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R) 1951-2005/Jan W3
        (c) format only 2005 The Dialog Corp.
 *File 155: Medline has resumed updating. Please see
HELP NEWS 155 for details.
  File 159:Cancerlit 1975-2002/Oct
        (c) format only 2002 Dialog Corporation
 *File 159: Cancerlit is no longer updating.
Please see HELP NEWS159.
  File   5:Biosis Previews(R) 1969-2005/Dec W4
        (c) 2005 BIOSIS
 *File   5: Price change effective Jan 1, 2005. Enter HELP
RATES 5 for details.
  File  73:EMBASE 1974-2005/Jan W2
        (c) 2005 Elsevier Science B.V.
 *File  73: Price change effective Jan 1, 2005. Enter HELP
RATES 73 for details.

      Set  Items  Description
      ---  -----  -----------
```

```
?
S (COACERVATE (W) MICROSPHERE?)
             502  COACERVATE
           51925  MICROSPHERE?
      S1       5  (COACERVATE (W) MICROSPHERE?)
?
RD
...completed examining records
      S2       3  RD (unique items)
?
T S2/3,K/ALL
```

2/3,K/1 (Item 1 from file: 155)

```
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

14290013   PMID: 10195878
```

Coacervate microspheres **as carriers of recombinant adenoviruses.**

```
  Kalyanasundaram S; Feinstein S; Nicholson J P; Leong K W; Garver R I
  Department of Biomedical Engineering, Johns Hopkins University,
Baltimore, Maryland 21205, USA.
  Cancer gene therapy (UNITED STATES) Mar-Apr 1999, 6 (2) p107-12,
ISSN 0929-1903 Journal Code: 9432230
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: Completed
```

Coacervate microspheres **as carriers of recombinant adenoviruses.**

...for bolus administration, both of which limit the efficiency of target tissue infection. As a first step toward overcoming these limitations, rAds were encapsulated in **coacervate microspheres** comprised of gelatin and alginate followed by stabilization with calcium ions. Ultrastructural evaluation showed that the microspheres formed in this manner were 0.8-10 ...

... adenovirus-containing microspheres to human tumor nodules engrafted in mice showed that the viral transgene was transferred to the tumor cells. It is concluded that **coacervate microspheres** can be used to encapsulate bioactive rAd and release it in a time-dependent manner.

2/3,K/2 (Item 1 from file: 5)

```
DIALOG(R)File 5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0011313709   BIOSIS NO.: 199800107956
```

Recombinant adenovirus can be encapsulated and released from coacervate microspheres **in a time-dependent fashion**

```
AUTHOR: Kalyanasundaram S (Reprint); Feinstein Sharon; Nicholson J P; Leong
  K W (Reprint); Garver R I Jr
AUTHOR ADDRESS: Johns Hopkins Univ., Dep. Biomed. Eng., Baltimore, MD, USA
  **USA
JOURNAL: Cancer Gene Therapy 4 (6 CONF. SUPPL.): pS23 Nov.-Dec., 1997 1997
MEDIUM: print
CONFERENCE/MEETING: Sixth International Conference on Gene Therapy of
Cancer San Diego, California, USA November 20-22, 1997; 19971120
ISSN: 0929-1903
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English
```

Recombinant adenovirus can be encapsulated and released from coacervate microspheres **in a time-dependent fashion**

```
DESCRIPTORS:
```

MISCELLANEOUS TERMS: **coacervate microspheres** ;

2/3,K/3 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2005 Elsevier Science B.V. All rts. reserv.

06956690 EMBASE No: 1997241258
Coacervate microspheres as vaccination vehicles
Azhari R.; Danino E.; Kasuto H.; Kushnir A.; Kothliarevski L.; Levin D.
R. Azhari, Dept. of Biotechnology, Ort Braude College, Karmiel, 20101 Israel
Proceedings of the Controlled Release Society (PROC. CONTROL. RELEASE SOC.) (United States) 1997, -/24 (821-822)
CODEN: 58GMA ISSN: 1022-0178
DOCUMENT TYPE: Journal; Conference Paper
LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 8

Coacervate microspheres as vaccination vehicles
?

Set	Items	Description
S1	5	(COACERVATE (W) MICROSPHERE?)
S2	3	RD (unique items)

?
(COACERVATE OR COACERVATION) (S) (VIRUS OR VECTOR OR DNA OR RNA OR (NUCLEIC (W) ACID
>>>When using accession numbers with KEEP in OneSearch, you
>>>must use the FROM option to specify a file number.
?
S (COACERVATE OR COACERVATION) (S) (VIRUS OR ADENOVIRUS OR VECTOR OR RNA OR DNA)

	502	COACERVATE
	964	COACERVATION
	1435333	VIRUS
	83729	ADENOVIRUS
	294296	VECTOR
	1564357	RNA
	2651109	DNA
S3	52	(COACERVATE OR COACERVATION) (S) (VIRUS OR ADENOVIRUS OR VECTOR OR RNA OR DNA)

?
S S3 AND (CROSSLINKED OR CROSSLINKING)

	52	S3
	12185	CROSSLINKED
	22625	CROSSLINKING
S4	6	S3 AND (CROSSLINKED OR CROSSLINKING)

?
RD
...completed examining records

S5	2	RD (unique items)

?
T S5/3,K/ALL

5/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

14185207 PMID: 9882427
Gene transfer by DNA-gelatin nanospheres.
Truong-Le V L; Walsh S M; Schweibert E; Mao H Q; Guggino W B; August J T; Leong K W
Department of Pharmacology and Molecular Sciences, Johns Hopkins School of Medicine, Baltimore, Maryland, 21205, USA.
Archives of biochemistry and biophysics (UNITED STATES) Jan 1 1999, 361 (1) p47-56, ISSN 0003-9861 Journal Code: 0372430

Contract/Grant No.: 1 RO1 A141908; PHS; CA 68011; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

A **DNA** and gelatin nanoparticle **coacervate** containing chloroquine and calcium, and with the cell ligand transferrin covalently bound to the gelatin, has been developed as a gene delivery vehicle. In this study, the **coacervation** conditions which resulted in the formation of distinct nanoparticles are defined. Nanospheres formed within a narrow range of **DNA** concentrations and achieved incorporation of more than 98% of the **DNA** in the reaction. **Crosslinking** of gelatin to stabilize the particles does not effect the electrophoretic mobility of the **DNA** . **DNA** in the nanosphere is partially resistant to digestion with concentrations of DNase I that result in extensive degradation of free **DNA** but is completely degraded by high concentrations of DNase. Optimum cell transfection by nanosphere **DNA** required the presence of calcium and nanospheres containing transferrin. The biological integrity of the nanosphere **DNA** was demonstrated with a model system utilizing **DNA** encoding the cystic fibrosis transport regulator (CFTR). Transfection of cultured human tracheal epithelial cells (9HTEo) with nanospheres containing this plasmid resulted in CFTR expression in...

5/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

07940010 PMID: 3189780
Use of critical point polyacrylamide sols in thermal denaturation experiments with chromatin at physiological ionic strength.
Riehm M R; Harrington R E
Department of Biochemistry, University of Nevada, Reno 89557.
Analytical biochemistry (UNITED STATES) Aug 1 1988, 172 (2) p296-303
, ISSN 0003-2697 Journal Code: 0370535
Contract/Grant No.: GM 33435; GM; NIGMS; T32 CA 09563; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Low percentage highly **crosslinked** polyacrylamide gels just above the critical point in the chemically polymerized sol to gel transition are used to generate polyacrylamide sols at critical point concentrations...

... liter-1, by mild heating. We find that chromatin samples mixed with these sols induce the sol to gel transition in a process of complex **coacervation** . In this state, salt insoluble chicken erythrocyte chromatin is stabilized against large scale aggregation and precipitation during thermal denaturation at physiological sodium ion concentrations. The hyperchromic melting behavior of **DNA** in polyacrylamide sols is reproducible and consistent throughout a wide range of sodium chloride concentrations. Empirical spectroscopic techniques are discussed which isolate temperature-dependent hyperchromic signals at 260 nm due to conformational changes of **DNA** in chromatin and local environmental changes which promote anomalous light scattering.
?

Set	Items	Description
S1	5	(COACERVATE (W) MICROSPHERE?)
S2	3	RD (unique items)
S3	52	(COACERVATE OR COACERVATION) (S) (VIRUS OR ADENOVIRUS OR V-ECTOR OR RNA OR DNA)
S4	6	S3 AND (CROSSLINKED OR CROSSLINKING)

```
S5          2   RD (unique items)
?
RD S3
...examined 50 records  (50)
...completed examining records
      S6       27  RD S3 (unique items)
?
S S6 NOT S5
               27  S6
                2  S5
      S7       25  S6 NOT S5
?
S S7 NOT PY>1998
               25  S7
          9441772  PY>1998
      S8       10  S7 NOT PY>1998
?
T S8/3,K/ALL
```

8/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

14041285 PMID: 9741926

DNA-polycation nanospheres as non-viral gene delivery vehicles.

Leong K W; Mao H Q; Truong-Le V L; Roy K; Walsh S M; August J T
Department of Biomedical Engineering, Johns Hopkins University, Baltimore, MD 21205, USA. kleong@bme.jhu.edu

Journal of controlled release - official journal of the Controlled Release Society (NETHERLANDS) Apr 30 1998, 53 (1-3) p183-93, ISSN 0168-3659 Journal Code: 8607908
Contract/Grant No.: CA68011; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Nanospheres synthesized by salt-induced complex **coacervation** of cDNA and polycations such as gelatin and chitosan were evaluated as gene delivery vehicles. **DNA** -nanospheres in the size range of 200-750 nm could transfect a variety of cell lines. Although the transfection efficiency of the nanospheres was typically...

...phosphate controls in cell culture, the beta-gal expression in muscle of BALB/c mice was higher and more sustained than that achieved by naked **DNA** and lipofectamine complexes. This gene delivery system has several attractive features: (1) ligands can be conjugated to the nanosphere for targeting or stimulating receptor-mediated endocytosis; (2) lysosomolytic agents can be incorporated to reduce degradation of the **DNA** in the endosomal and lysosomal compartments; (3) other bioactive agents or multiple plasmids can be co-encapsulated; (4) bioavailability of the **DNA** can be improved because of protection from serum nuclease degradation by the polymeric matrix; (5) the nanosphere can be lyophilized for storage without loss of...

8/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

14020755 PMID: 9721081

Controlled gene delivery by DNA-gelatin nanospheres.

Truong-Le V L; August J T; Leong K W
Department of Pharmacology and Molecular Sciences, The Johns Hopkins University School of Medicine, Baltimore, MD 21205, USA.

Human gene therapy (UNITED STATES) Aug 10 1998, 9 (12) p1709-17, ISSN 1043-0342 Journal Code: 9008950
Contract/Grant No.: 1-ROI-AI41908; AI; NIAID; AI42718; AI; NIAID; P50 CA62924; CA; NCI
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

A novel system for gene delivery, based on the use of **DNA** -gelatin nanoparticles (nanospheres) formed by salt-induced complex **coacervation** of gelatin and plasmid **DNA** , has been developed. These particles were spherical, with a size range of 200-700 nm, contained 25-30% (w/w) **DNA** , and were stabilized by cross-linking of gelatin. As a consequence of being controlled by the cross-linking density of the gelatin matrix, the average release rate of **DNA** from nanospheres synthesized under standard conditions was 2.2%/day in serum. Nanosphere **DNA** incubated in bovine serum was more resistant to nuclease digestion than was naked **DNA** . Various bioactive agents could be encapsulated in the nanospheres by ionic interaction with the matrix components, physical entrapment, or covalent conjugation. Transfection of cultured cells...

... nanospheres containing 1 microg of a beta-galactosidase plasmid was greater and more prolonged than was observed after injection of an equal amount of naked **DNA** or **DNA** complexed with Lipofectamine.

8/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06578676 PMID: 6462688
Present state of the coacervate-in-coacervate theory; origin and evolution of cell structure.
Novak V J
Origins of life (NETHERLANDS) 1984, 14 (1-4) p513-22, ISSN 0302-1688 Journal Code: 0420542
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

In agreement with the views of Oparin, Fox, Dose etc., the theory assumes that **coacervation** of protein-like polyaminoacids began with their accumulation along the coasts of the Archaic water basins. Unlike the above authors, however, the present author views...

... on the basis of their mutual affinity. The polyfunctional enzymic activity of the proteinoids catalyzed their replication as well as other activities. Around the replicating **DNA** molecules secondary coacervates (coacervates in coacervates) accumulated which developed gradually to the first prokaryotic cells. Their most probable evolution to the first eukaryotic organisms is...

8/3,K/4 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0011313709 BIOSIS NO.: 199800107956
Recombinant adenovirus **can be encapsulated and released from** coacervate **microspheres in a time-dependent fashion**
AUTHOR: Kalyanasundaram S (Reprint); Feinstein Sharon; Nicholson J P; Leong K W (Reprint); Garver R I Jr
AUTHOR ADDRESS: Johns Hopkins Univ., Dep. Biomed. Eng., Baltimore, MD, USA

**USA
JOURNAL: Cancer Gene Therapy 4 (6 CONF. SUPPL.): pS23 Nov.-Dec., 1997 1997
MEDIUM: print
CONFERENCE/MEETING: Sixth International Conference on Gene Therapy of Cancer San Diego, California, USA November 20-22, 1997; 19971120
ISSN: 0929-1903
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

Recombinant adenovirus **can be encapsulated and released from** coacervate **microspheres in a time-dependent fashion**

8/3,K/5 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0009982668 BIOSIS NO.: 199598450501
Experimental retracement of the origins of a protocell: It was also a protoneuron
AUTHOR: Fox Sidney W (Reprint); Bahn Peter R; Dose Klaus; Harada Kaoru; Hsu Laura; Ishima Yoshio; Jungck John; Kendrick Jean; Krampitz Gottfried; Lacey James C Jr; Matsuno Koichiro; Melius Paul; Middlebrook Mavis; Nakashima Tadayoshi; Pappelis Aristotel; Pol Alexander; Rohlfing Duane L; Vegotsky Allen; Waehneldt Thomas V; Wax H; Yu Bi
AUTHOR ADDRESS: Coastal Res. Dev. Inst., LSB 124, Univ. South Alabama, Mobile, AL 36688, USA**USA
JOURNAL: Journal of Biological Physics 20 (1-4): p17-36 1994 (1995) 1994
ISSN: 0092-0606
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Although Oparin used **coacervate** droplets from two or more types of polymer to model the first cell, he hypothesized homacervation from protein, consistent with Pasteur and Darwin. Herrera made...

...protoneurons and networks thereof, and numerous industrial applications of thermal polyamino acids. Life itself has thus been reaffirmed to be rooted in protein, not in **DNA** nor **RNA** , which are however crucial to inheritance in modern life as "instruction manuals' (Komberg). Recognition of the advances have been considerably delayed by the deeply held assumption that life began by chance from random polymerization of amino acids, in contrast to the experimental findings. The concepts of **DNA** / **RNA** -first and protein-first are reconciled by a rise-and-fall progression as often seen in biochemical and biological evolution. The fact that amino acids...

8/3,K/6 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0009214073 BIOSIS NO.: 199497235358
Gelatin microspheres as a new approach for the controlled delivery of synthetic oligonucleotides and PCR-generated DNA fragments
AUTHOR: Cortesi Rita; Esposito Elisabetta; Menegatti Enea; Gambari Roberto; Nastruzzi Claudio (Reprint)
AUTHOR ADDRESS: Dep. Pharmaceutical Sci., Ferrara Univ., Via Fossato di Mortara 19, I-44100 Ferrara, Italy**Italy
JOURNAL: International Journal of Pharmaceutics (Amsterdam) 105 (2): p 181-186 1994 1994
ISSN: 0378-5173
DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: length, prepared by the polymerase chain reaction (PCR) mimicking a region of the HIV-1 LTR (dsDNA-144). Spherical gelatin microspheres were obtained by a **coacervation** method, showing a high percentage of encapsulation yields (over 85%). Size distribution analysis of the microspheres produced resulted in an average diameter of 22 mu...

...a flow-through cell method. The chemical stability of dsDNA-144 to the encapsulation procedure steps was in addition demonstrated by PCR amplification of the **DNA** eluted from the gelatin microspheres. The reported results indicate that gelatin-based microspheres offer excellent potential as carrier systems of the in vivo administration of both single- and double-stranded **DNA** molecules.

8/3,K/7 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0002929802 BIOSIS NO.: 198069043789
THE EVOLUTION OF BIOLOGICAL MACRO MOLECULES 1. PHYSICOCHEMICAL SELF ORGANIZATION
AUTHOR: EBELING W (Reprint); FEISTEL R
AUTHOR ADDRESS: SEKT PHYS, WILHELM-PIECK-UNIV, UNIVERSITAETSPLATZ 3, DDR-25 ROSTOCK, E GER**EAST GERMANY
JOURNAL: Studia Biophysica 75 (2): p131-146 1979
ISSN: 0081-6337
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: of biogenesis is presented which combines the basic ideas of Oparin and Eigen. Based on this model the hypothesis is developed that the competition of **coacervate** -microreactors played an important role in the primordial selection processes. Further binary catalytic cycles, catalytic cascades and **RNA** -replicase cycles are the most probable precursors for the evolution of more complex structures.
DESCRIPTORS: MATHEMATICAL MODEL **COACERVATE** MICRO REACTOR COMPETITION PRIMORDIAL SELECTION BINARY CATALYTIC CYCLE CATALYTIC CASCADE **RNA** REPLICASE CYCLE

8/3,K/8 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0002582406 BIOSIS NO.: 197917031401
A MICRO ENCAPSULATION SYSTEM FOR THE PROTECTION OF MICROBIAL INSECTICIDES FROM SUN LIGHT INACTIVATION
AUTHOR: ANDREWS R E; SPENCE K D
JOURNAL: Abstracts of the Annual Meeting of the American Society for Microbiology (79): p236 1979
ISSN: 0094-8519
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: Unspecified

DESCRIPTORS: ABSTRACT **RNA** PROTEIN **COACERVATE** MICRO BEADS SPORES

8/3,K/9 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0001905629 BIOSIS NO.: 197662001768
DEPENDENCE OF THE CONTENT AND CONCENTRATION OF ENZYMATIC OXIDATION PRODUCTS ON SIZE OF COACERVATE DROPLETS
AUTHOR: MAMONTOVA T V; EVREINOVA T N; KHRUST YU R
JOURNAL: Doklady Akademii Nauk SSSR Seriya Biologiya 223 (4): p1020-1022 1975
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Unspecified

ABSTRACT: Quantitative measurements were made of stabilizing oxidation products in individual **coacervate** droplets and the relation between the size of the droplets and their content of oxidized compounds was established. Protein-carbohydrate **coacervate** systems consisting of histone and gum arabic and protein-nucleic acid **coacervate** systems consisting of histone and **DNA** were investigated. The content and concentration of oxidized compounds was higher in the **coacervate** droplets consisting of **DNA** and histone than in droplets of gum arabic and histone of the same size. Protein-nucleic acid **coacervate** droplets have a slightly greater ability to concentrate products of enzymatic oxidation. The stable **coacervate** systems obtained broaden their use as precellular models.

8/3,K/10 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

06237497 EMBASE No: 1995274686
Gene transfer by gelatin- DNA coacervate
Truong-Le V.L.; Walsh S.M.; August J.T.; Leong K.W.
Dept. Pharmacol. Molecular Sciences, The Johns Hopkins University,Baltimore, MD 21205 United States
Proceedings of the Controlled Release Society (PROC. CONTROL. RELEASE SOC.) (United States) 1995, -/22 (466-467)
CODEN: 58GMA ISSN: 1022-0178
DOCUMENT TYPE: Journal; Conference Paper
LANGUAGE: ENGLISH

Gene transfer by gelatin- DNA coacervate

?

```
Set     Items   Description
S1          5   (COACERVATE (W) MICROSPHERE?)
S2          3   RD (unique items)
S3         52   (COACERVATE OR COACERVATION) (S) (VIRUS OR ADENOVIRUS OR V-
                ECTOR OR RNA OR DNA)
S4          6   S3 AND (CROSSLINKED OR CROSSLINKING)
S5          2   RD (unique items)
S6         27   RD S3 (unique items)
S7         25   S6 NOT S5
S8         10   S7 NOT PY>1998
?
S (COACERVATE) (S) (GELATIN AND ALGINATE)
            502  COACERVATE
          37362  GELATIN
          14490  ALGINATE
      S9      8  (COACERVATE) (S) (GELATIN AND ALGINATE)
?
S S9 AND (VIRAL OR VIRUS OR ADENOVIRUS)
              8  S9
         785919  VIRAL
        1435333  VIRUS
```

```
            83729  ADENOVIRUS
     S10       3  S9 AND (VIRAL OR VIRUS OR ADENOVIRUS)
?
RD
...completed examining records
     S11       1  RD (unique items)
?
T S11

  11/2/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

14290013   PMID: 10195878
 Coacervate microspheres as carriers of recombinant adenoviruses.
  Kalyanasundaram S; Feinstein S; Nicholson J P; Leong K W; Garver R I
  Department of Biomedical Engineering, Johns Hopkins University,
Baltimore, Maryland 21205, USA.
  Cancer gene therapy (UNITED STATES)  Mar-Apr 1999, 6 (2) p107-12,
ISSN 0929-1903   Journal Code: 9432230
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: Completed
  Subfile:   INDEX MEDICUS
  Tags: Human; Support, Non-U.S. Gov't
  Descriptors:   *Adenoviridae--genetics--GE; *Gene Therapy--methods--MT;
*Microspheres;   Animals;   Calcium--pharmacology--PD;   Cytomegalovirus
--metabolism--ME;  Dose-Response Relationship, Drug; Genetic Vectors;
Luciferase--metabolism--ME; Lung Neoplasms--therapy--TH; Mice; Mice, Nude;
Microscopy,   Confocal;   Microscopy,   Electron,   Scanning;   Neoplasms,
Experimental--therapy--TH; Time Factors
  CAS Registry No.: 0   (Genetic Vectors); 7440-70-2   (Calcium)
  Enzyme No.: EC 1.13.12.-   (Luciferase)
  Record Date Created: 19990607
  Record Date Completed: 19990607
?
RD S9
...completed examining records
     S12       3  RD S9 (unique items)
?
S S12 NOT S11
               3  S12
               1  S11
     S13       2  S12 NOT S11
?
T S13/3,K/ALL

  13/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

14044778   PMID: 9743913
 beta-Glucuronidase activity following complex coacervation and spray
 drying microencapsulation.
  Burgess D J; Ponsart S
  Department of Pharmaceutical Sciences, School of Pharmacy, University of
Connecticut, Storrs 06269, USA.
  Journal of microencapsulation (ENGLAND)  Sep-Oct 1998, 15 (5) p569-79
,  ISSN 0265-2048   Journal Code: 8500513
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: Completed
```

...process suitable for the controlled release of an active protein drug. beta-glucuronidase was selected as a model protein and a combination of complex coacervation (**gelatin** /sodium **alginate** ,□gelatin□ /acacia and albumin/acacia) and spray drying was investigated. Coacervates were either spray dried or glutaraldehyde crosslinked to form microcapsules. Polyvinylpyrrolidone (PVP) and polyethylene glycol were investigated as potential **coacervate** enhancers and stabilizers. beta-glucuronidase/polyme r mixtures were spray dried to determine any polymer protective effects on protein activity. A BUCHI 190 Spray Drier was...

13/3,K/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0010217379 BIOSIS NO.: 199698685212
Indomethacin sustained release from alginate-gelatin or pectin-gelatin coacervates
AUTHOR: Joseph Ishmael; Venkataram Suresh (Reprint)
AUTHOR ADDRESS: Fac. Pharmacy, Univ. Manitoba, Winnipeg, MB R3T 2N2, Canada **Canada
JOURNAL: International Journal of Pharmaceutics (Amsterdam) 126 (1-2): p 161-168 1995 1995
ISSN: 0378-5173
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: crystals with gastrointestinal mucosa at high concentrations, as may happen with immediate release dosage forms. Indomethacin (IMC) sustained release microparticles (pellets) were prepared from pectin-**gelatin** or **alginate** -□gelatin□hydrocolloid□coacervate□systems under controlled pH and temperature conditions. Delayed release up to 14 h was obtained with pectin- **gelatin** or **alginate** -□gelatin□systems of varying composition. With the pectin- **gelatin** systems a low drug to hydrocolloid ratio and low pectin to **gelatin** ratio was the most optimal composition for sustained release. Incorporation of additives such as carnauba wax was essential for diffusion controlled mechanisms to operate in the **alginate** - **gelatin** systems. Additives also showed improvements in particle shape, size distribution and flow properties. The results of this study offer an inexpensive alternative form of sustained...
?

Set	Items	Description
S1	5	(COACERVATE (W) MICROSPHERE?)
S2	3	RD (unique items)
S3	52	(COACERVATE OR COACERVATION) (S) (VIRUS OR ADENOVIRUS OR V-ECTOR OR RNA OR DNA)
S4	6	S3 AND (CROSSLINKED OR CROSSLINKING)
S5	2	RD (unique items)
S6	27	RD S3 (unique items)
S7	25	S6 NOT S5
S8	10	S7 NOT PY>1998
S9	8	(COACERVATE) (S) (GELATIN AND ALGINATE)
S10	3	S9 AND (VIRAL OR VIRUS OR ADENOVIRUS)
S11	1	RD (unique items)
S12	3	RD S9 (unique items)
S13	2	S12 NOT S11

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COST
18jan05 16:05:24 User259876 Session D700.2
$3.19 0.996 DialUnits File155
$0.21 1 Type(s) in Format 2
$1.47 7 Type(s) in Format 3
$1.68 8 Types

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      $4.87  Estimated cost File155
             $0.81    0.274 DialUnits File159
      $0.81  Estimated cost File159
             $5.55    0.965 DialUnits File5
               $16.00  8 Type(s) in Format  3
            $16.00  8 Types
     $21.55  Estimated cost File5
             $7.77    0.730 DialUnits File73
                $5.88  2 Type(s) in Format  3
             $5.88  2 Types
     $13.65  Estimated cost File73
             OneSearch, 4 files,  2.966 DialUnits FileOS
      $3.75  INTERNET
     $44.63  Estimated cost this search
     $45.55  Estimated total session cost   3.196 DialUnits
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